

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/521,971 – Conf. #1957
				Filing Date	September 26, 2005
				First Named Inventor	David T. Scadden
				Art Unit	1644
				Examiner Name	M. A. Belyavskiy
Sheet	1	of	2	Attorney Docket Number	61925(51588)



U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,061,620	10/29/1991	Tsukamoto et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO 2001/127785	02-22-2001	University of Rochester		
	BB	WO 2004/011484	02-05-2004	The General Hospital Corp.		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CA	NILSSON, et al., "Spatial localization of transplanted hemopoietic stem cells: inferences for the localization of stem cell niches." Blood, 97:2293-2299 (2001)		
	CB	PELED et al., "Dependence of Human Stem Cell Engraftment and Repopulation of NOD/SCID Mice on CXCR4." Science, 283:845-8 (1999)		
	CC	ROOD et al., "Adhesion of hematopoietic progenitor cells to human bone marrow or umbilical vein derived endothelial cell lines: A comparison." Exp. Hematol., 27:1306-14 (1999)		
	CD	SU et al., "Inhibition of Tyrosine Kinase Activation Blocks the Down-Regulation of CXC Chemokine Receptor 4 by HIV-1 gp120 in CD4+ T Cells." J Immunol., 162:7128-7132 (1999)		
	CE	TAICHMAN et al., "Human Osteoblasts Support Hematopoiesis through the Production of Granulocyte Colony-stimulating Factor." J. Exp. Med., 179:1677-1682 (1994)		
	CF	TAICHMAN et al., "The Role of Osteoblasts in the Hematopoietic Microenvironment." Stem Cells, 16:7-15 (1998)		
	CG	THEISE et al., "Liver from Bone Marrow in Humans." Hepatology 32, 11-6 (2000)		
	CH	TEITELBAUM et al., "Bone Resorption by Osteoclasts." Science, 289:1504-1508 (2000)		
	CI	VAN DER LOO et al., "VLA-5 Is Expressed by Mouse and Human Long-term Repopulating Hematopoietic Cells and Mediates Adhesion to Extracellular Matrix Protein Fibronectin." J. Clin. Invest. 102:1051-61 (1998)		
	CJ	ZANJANI et al., "Homing of Human Cells in the Fetal Sheep Model: Modulation by Antibodies Activating or Inhibiting Very Late Activation Antigen-4-Dependent Function." Blood, 94:2515-22 (1999)		
	CK	ZOU et al., "Function of the chemokine receptor CZCR4 in haematopoiesis and in cerebellar development." Nature, 393:595-9 (1998)		
	CL	CHOI, "Hemangioblast development and regulation." Biochem Cell Biol 76, 947-56 (1998)		
	CM	CUI et al., "The relative spatial distribution of in vitro-CFC's in the bone marrow, responding to specific growth factors." Cell Prolif., 29:243-257 (1996)		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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CN	DUCY, et al., "The Osteoblast: A sophisticated Fibroblast under Central Surveillance." Science, 289:1501-1504 (2000)	
CO	EGLITIS et al., "Hematopoietic cells differentiate into both microglia and macroglia in the brains of adult mice." Proc Natl Acad Sci U S A 94, 4080-5 (1997)	
CP	GONG et al., "Endosteal Marrow: A Rich Source of Hematopoietic Stem Cells." Science, 199:1443-1445 (1978)	
CQ	GREENBERG et al., "Relationship between selectin-mediated rolling of hematopoietic stem and progenitor cells and progression in hematopoietic development." Blood, 95:478-86 (2000)	
CR	GUSSONI et al., "Dystrophin expression in the mdx mouse restored by stem cell transplantation." Nature 401, 390-4 (1999)	
CS	LORD et al., "The Relative Spatial Distributions of CFU <sub>s</sub> and CFU <sub>c</sub> in the Normal Mouse Femur." Blood, 46:65-72 (1975)	
CT	MA et al., "The Chemokine Receptor CXCR4 is Required for the Retention of B Lineage and Granulocytic Precursors within the Bone Marrow Microenvironment." Immunity, 10:463-71 (1999)	
CU	NAGASAWA et al., "Defects of B-cell lymphopoiesis and bone-marrow myelopoiesis in mice lacking the CXC chemokine PBSF/SDF-1." Nature, 382:635-8 (1996)	
CV	NAIYER et al., "Stromal Derived Factor-1-Induced Chemokinesis of Cord Blood CD34+ Cells (Long-Term Culture-Initiating Cells) Through Endothelial Cells Is mediated by E-Selection." Blood, 94:4011-9 (1999)	
CW	LORD et al., Int. J. Cell Clon., 8:317-331 (1990)	

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